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Docket No.: TRANS 3.0-037  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Fjield et al.

Application No.: 09/988,997

Group Art Unit: 2834

Filed: November 21, 2001

Examiner: Not Yet Assigned

For: ULTRASOUND TRANSDUCER UNIT AND  
PLANAR ULTRASOUND LENS

Commissioner for Patents  
Washington, DC 20231

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Dated: February 22, 2002

Respectfully submitted,

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PTO/SB/08A (10-01)

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				<b>Application Number</b>	09/988,997
				<b>Filing Date</b>	November 21, 2001
				<b>First Named Inventor</b>	Todd Fjield
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<b>Sheet</b>	1	<b>of</b>	1	<b>Attorney Docket Number</b>	TRANS 3.0-037

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS							
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A	T. Fjield, C.E. Silcox, and K. Hynynen, "Low Profile Lenses for Ultrasound Surgery," Department of Radiology, Brigham and Women's Hospital and Harvard Medical School, Boston, MA 02115	
	B	Todd Fjield, Christina Elise Silcox and Kullervo Hynynen, "Low-profile lenses for ultrasound surgery," IOP Publishing Ltd, Phys. Med. Biol., Vol. 44, No. 7, pp 1803-1813, (July 1999).	
	C	Shiu Chuen Chan, Mani Mina, Satish S. Udupa, Lalita Udupa, and William Lord, "Finite Element Analysis of Multilevel Acoustic Fresnel Lenses," IEEE Article, Transactions On Ultrasonics, Ferroelectrics, and Frequency. Control, Vol. 43, No. 4, pp.670-677, (July 1996).	
	D	B. Hadimioglu, E.G. Rawson, R. Lujan, M. Lim, J.C. Zesch, B.T. Khuri-Yakub and C.F. Quate, "HIGH-EFFICIENCY FRESNEL ACOUSTIC LENSES," IEEE Article, Ultrasonics Symposium, Vol. 1, pp. 579-582, (1993).	
	E	Zhang Li and Zheng Changiu, "CALCULATION OF SOUND INSERTION LOSS OF A BARRIER BY FRESNEL ZONE METHOD," Chinese Journal of Acoustics, Vol. 8, No. 3, pp. 227-234, (1988).	
	F	L.A.A. Warnes, "The use of antiphased zones in an acoustic Fresnel lens for a scanning sonar transmitter," Ultrasonics, pp. 184-188, (July 1982).	
	G	J. Bradford Merry, "HIGH PERFORMANCE ACOUSTO-OPTIC DEVICES: SOLUTIONS TO FRESNEL FIELD PROBLEMS," SPIE Article, Vol. 340, pp. 91-95, (January 1983).	
	H	Gao Jian-Bo, Zhang Fu-Cheng, Zhao Heng-Yuan, "FOCUSING PROPERTIES OF ACOUSTIC FRESNEL LENSES," ACTA ACUSTICA, Vol. 13, No. 5, (Sept. 1988).	

<b>Examiner Signature</b>		<b>Date Considered</b>	
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